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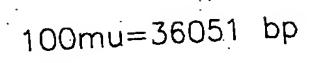
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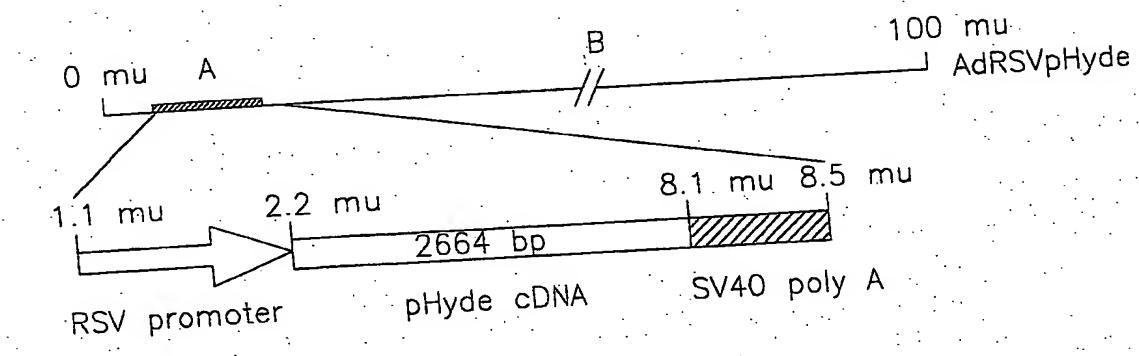


FIG.1

DU145 Control

DU145/AdpHyde

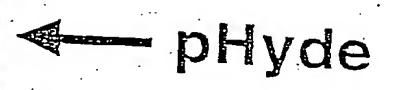




FIG. 2A

DU145/AdRSVpHyde

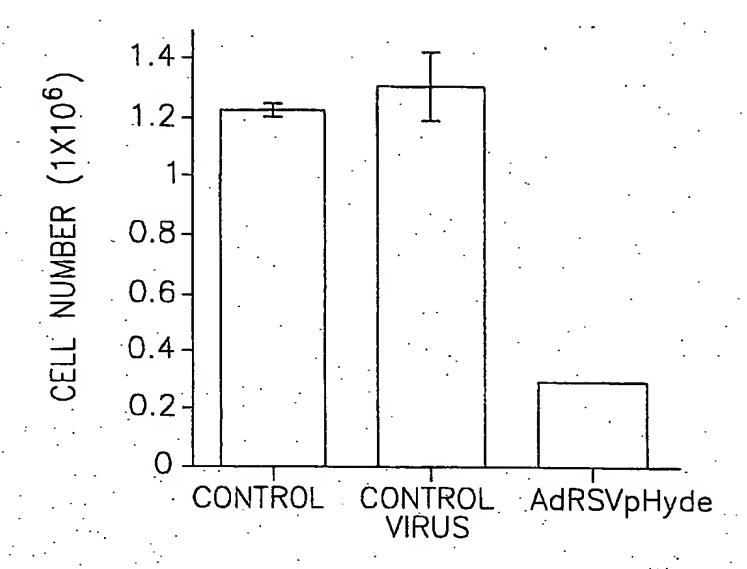


FIG.3A

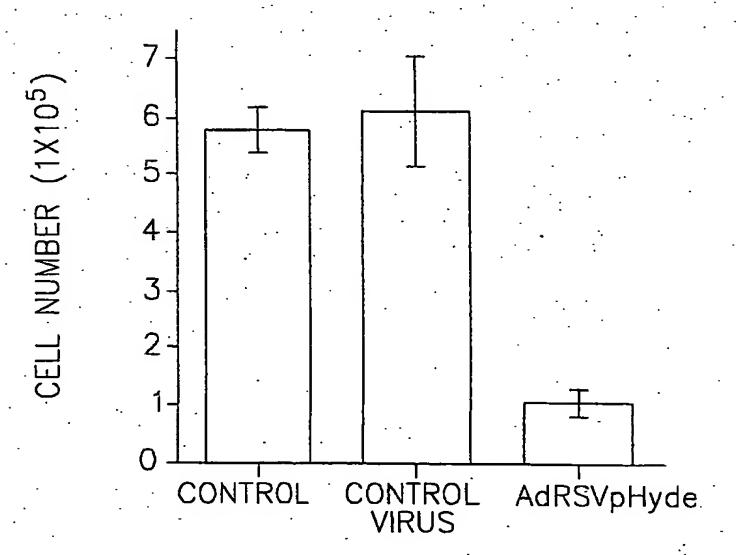


FIG.3B

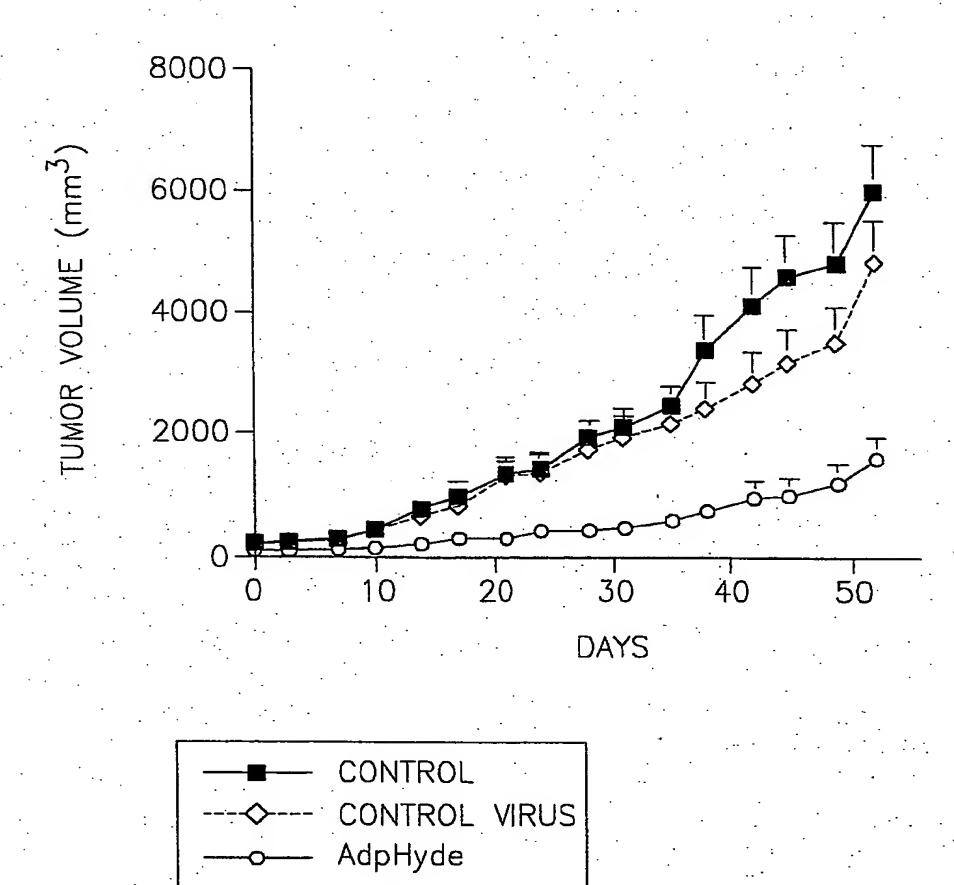
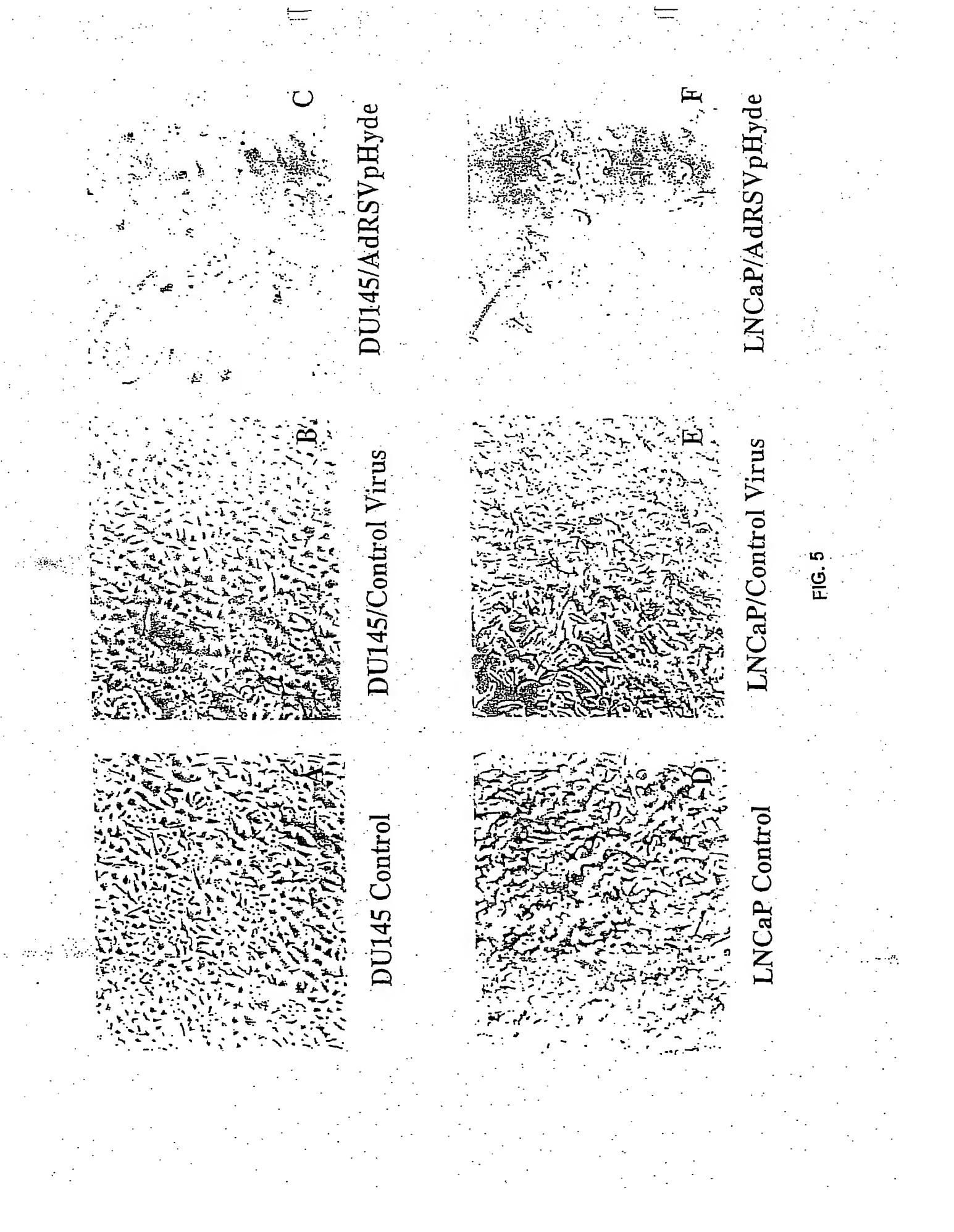
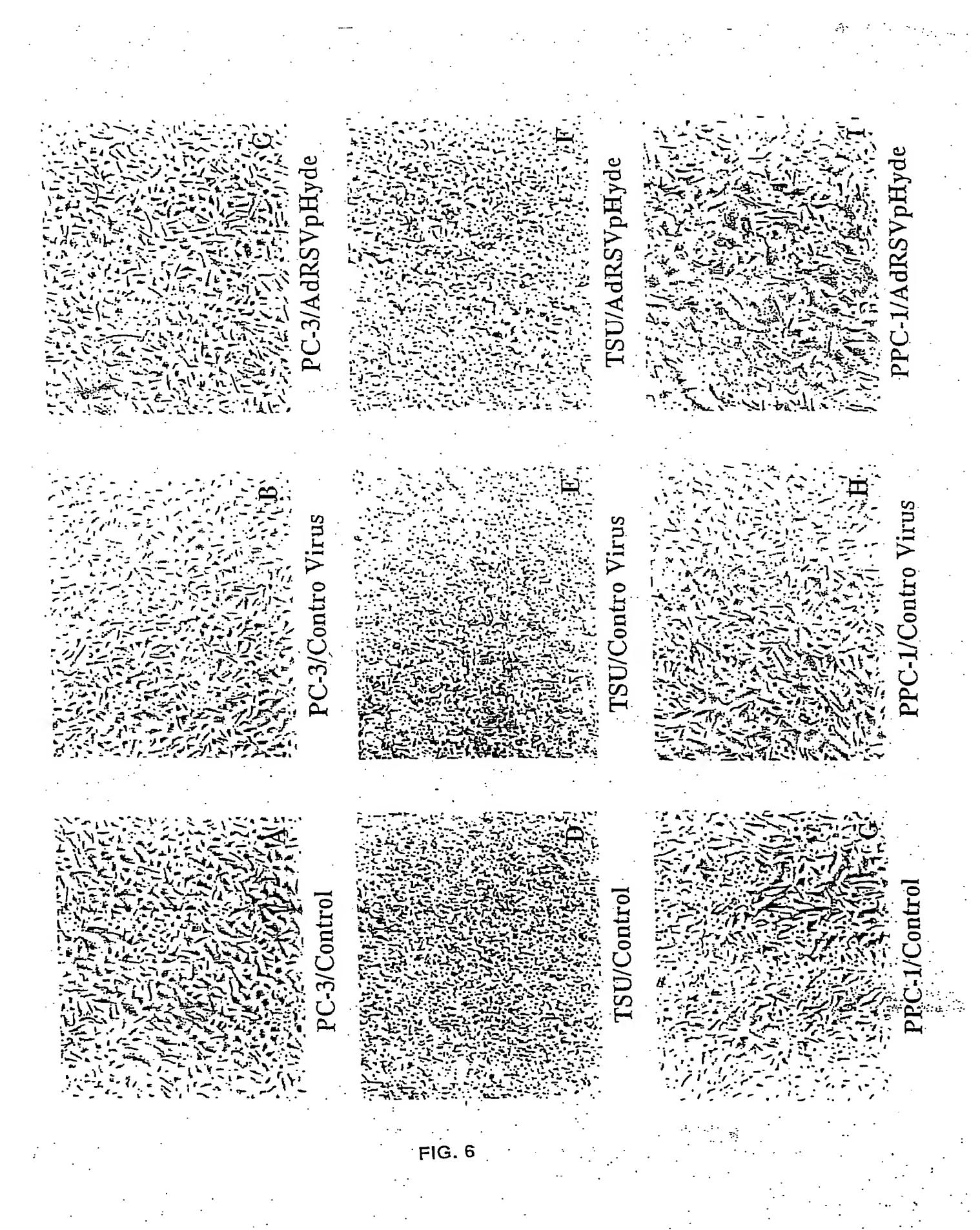


FIG.4





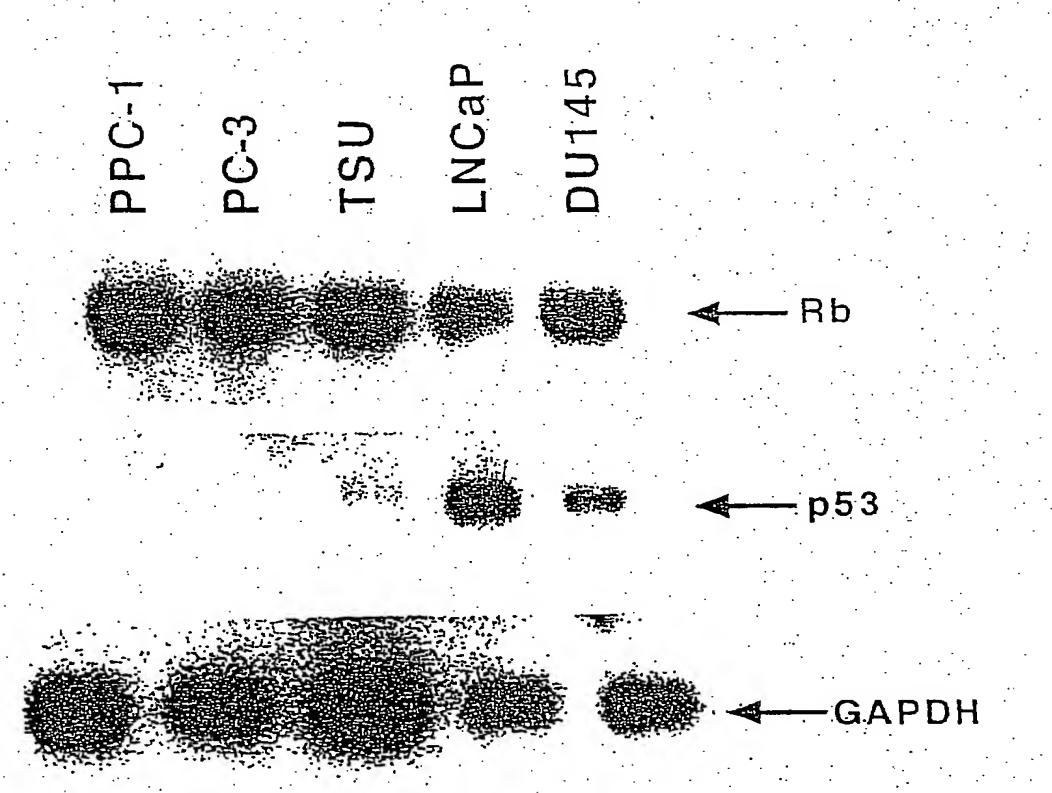


FIG. 7

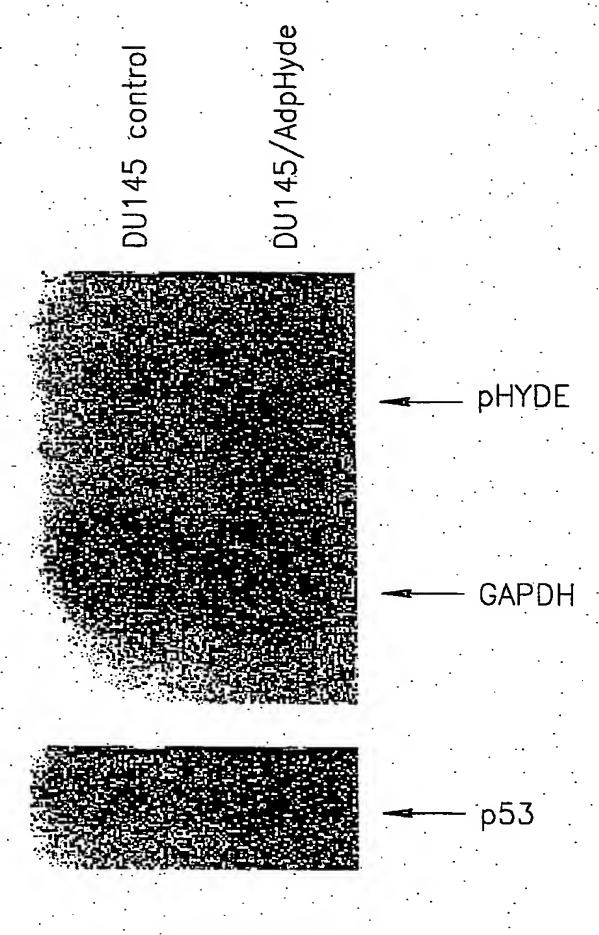
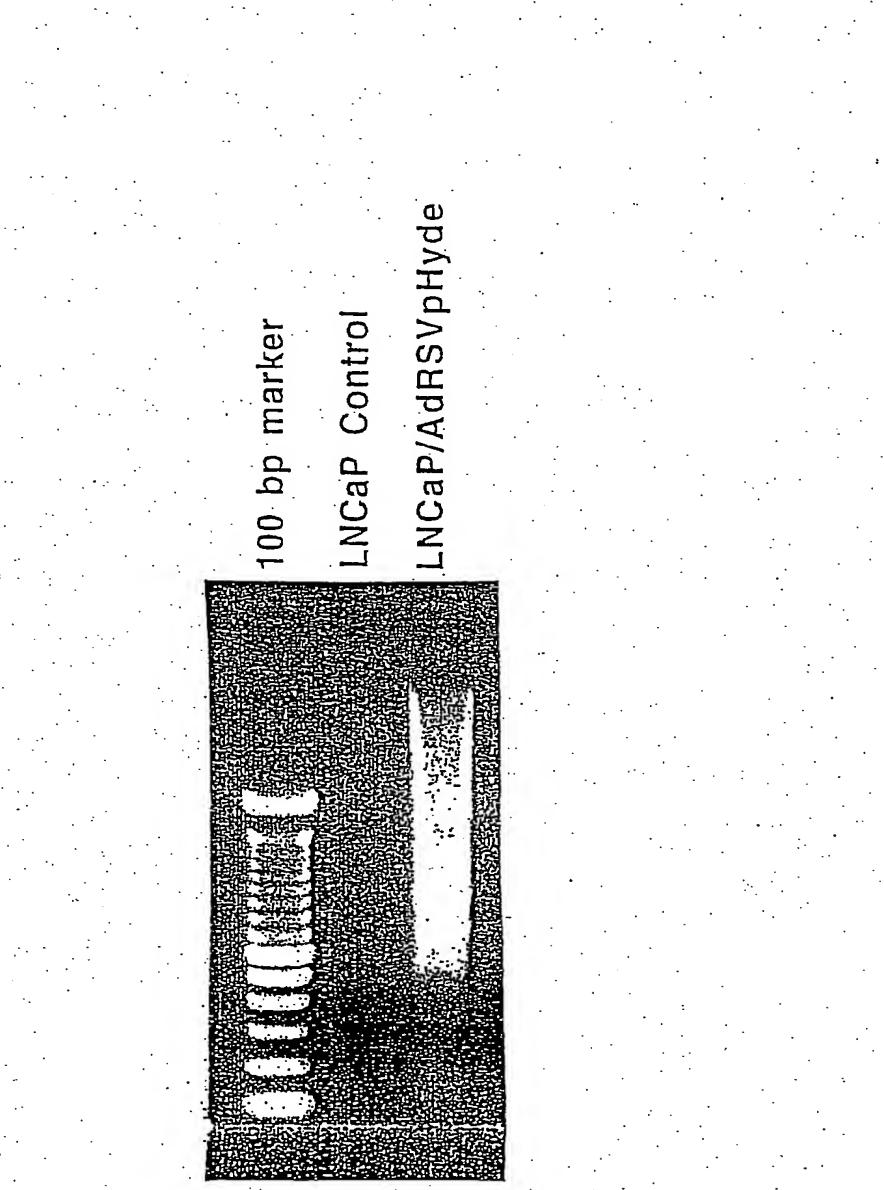


FIG.8



SECUENCE OF REGION A OF AdRSVpHyde: GCGGCCGCCATCATCAATAATATACCTTATTTTGGATTGAAG CCAATATGATAATGAGGGGGGGGGGAGTTTGTGACGTGGC GCGGGGCGTGGGAACGGGGGGGGGGTGACGTAGTAGTGTGGC GGAAGTGTGATGTTGCAAGTGTGGCGGAACACATGTAAGC GACGGATGTGGCAAAAGTGACGTTTTTTGGTGTGCGCCGGTG TACACAGGAAGTGACAATTTTCGCGCGGTTTTTAGGCGGA TGTTGTAGTAAATTTGGGCGTAACCGAGTAAGATTTGGCCAT TTTCGCGGGAAAACTGAATAAGAGGAAGTGAAATCTGA ATAATTTTGTGTTACTCATAGCGCGTAATATTTGTCTAGGGCC GCGGGGACTTTGACCGTTTACGTGGAGACTCGCCCAG GGCGCCCCGATGTACGGGCCAGATATACGCGTATCTGAG GGGACTAGGGTGTTTTAGGCGAAAAGCGGGGCTTCGGT TGTACGCGGTTAGGAGTCCCCTCAGGATATAGTAGTTTCGCT TTTGCATAGGGAGGGGAAATGTAGTCTTATGCAATAC TCTTGTAGTCTTGCAACATGGTAACGATGAGTTAGCAACATG CCTTACAAGGAGAAAAAGCACCGTGCATGCCGATTG GTGGAAGTAAGGTGGTACGATCGTGCCTTATTAGGAAGGCTA ACAGACGGGTCTGACATGGATTGGACGAACCACTGAATT CCGCATTGCAGAGATATTGTATTTAAGTGCCTAGCTCGATAC AATAAACGCCATTTGACCATTCACCACATTGGTGTGCA CCTCCGGCCCTGGCCACTCTCTTCCGCATCGCTGTCTGCGGG GGCCAGCTGTTGGGCTCGCGGTTGAGGACAAACTCTTC GCGGTCTTTCCAGTACTCTTGGATCGGAAACCCGTCGGCCCTC CGAACGGTACTCCGCCGCCGAGGGACCTGAGCGAGTCC GCATCGACCGGATCGGAAAACCTCTCGAGAAAGGCGTGTAA CCAGTCACAGTCGCTCTAGAACTAGTGGATCCCCCGGGC TGCAGGAATTCGATAATTCGGCACGAGGCTGCCGAGGCACT GTGATGTCCGGGGAGATGGACAAACCGCTCATCAGTCGC CGCTTGGTGGACAGTGATGGCAGTCTGGCTGAGGTCCCCAA GGAGGCTCCCAAAGTGGGCATCCTGGGCAGCGGGGATTT TGCCCGGTCCCTGGCCACACGCCTGGTGGGCTCTGGCTTCT TTGTGGTGGGAAGCCGTAACCCCAAACGCACTGCCG GCCTCTTCCCCTCCTTAGCCCAAGTGACTTTCCAGGAGGAGG CCGTGAGCTCTCCAGAGGTCATCTTTGTGGCCGTGTTC CGGGAGCACTACTCCTCACTGTGCAGTCTTGCTGACCAGTTG GCTGGCAAGATCCTAGTGGATGTAAGCAACCCCACGGA GAAGGAGCGTCTTCAGCACCGCCAGTCGAACGCCGAGTACC TGGCCTCCCTCTTCCCTGCCTGCACTGTGGTCAAGGCCT TCAACGTCATCTCTGCATGGGCCCTACAGGCTGGCCCAAGG GATGGGAACAGGCAGGTGCTCATCTGCGGTGACCAGCTG GAAGCCAAGCACCGTCTCAGAGATGGCGCGCGCCATGG GTTTCACCCCACTGGACATGGGATCCCTGGCCTCAGCGAG GGAGGTAGAGGCCATACCCCTGCGCCTCCTTCCATCCTGGA AGGTGCCCACCCTCCTGGCCCTGGGGCTAAGCACAAA

GCTATGCCTACAACTTCATCCGGGACGTTCTACAGCCGTACA TCCGGAAAGATGAGAACAAGTTCTACAAGATGCCCCTG TCTGTGGTCAACACCACGaTACCCTGTGTGGCTTACGTGCTG CTGTCCCTGGTTTACCTGCCTGGTGTGCTGCCAGCTGC CCTTCAGCTGAGGGGGGGGCCAAGTACCAGCGCTTCCCAG ACTGGCTGGACCATTGGCTGCAGCACCGCAAGCAGATCG GGCTACTCAGCTTTTTTTTCGCCATGCTGCACGCTCTCTACAG CTTCTGCCTGCCGCTGCGCCGCTCCCACCGCTATGAT CTGGTCAACCTGGCTGTGAAGCAGGTCCTGGCCAACAAGAG CCGCCTCTGGGTTGAGGAAGAAGTCTGGCGGATGGAGAT ATACCTGTCCCTGGGTGTGCTGGCTCTGGGCATGCTGTCACT GCTGGCGGTTACCTCGATCCCTTCCATTGCAAACTCAC TCAACTGGAAGGAGTTCAGCTTTGTGCAGTCCACGCTGGGC TTCGTGGCCCTGATGCTGAGCACAATGCACACCCTCACC TACGCGCTGGACCCGTGCTTTTGAGGAAAACCACTACAAGTTC TACCTGCCACCCACATTCACGCTCACGCTGCTCCTGCC CTGTGTCATCATCCTGGCCAAGGGCCTCTTCCTCCTGCCCTG CCTCAGCCACAGACTCACCAAGATCCGCAGGGGCTGGG AGAGGGATGGTGCCGTCAAGTTCATGCTGCCCGCTGGCCAC ACACAGGGGAGAAAACAAGCCACGTGTGAGGCCCTGGA AATGGAGACAGGCACAGCTTGTGGGGGCCCCTGGGCTGGGT TCGGGTCTCTTTTCTGGGATGGTATATGCGTGGGTGGCCG AGGTCTGAATTTCTGGGATGCAGGTGTATGCCGAGATACTCA GAATGGCGTACCACACATGCGATAAGAGCTCACATATA ATAGTGGGTCCTTATATTTCAACTTATGCAGGGTCC CTATATTTCAACTTGAGCATTTCAGAGCAAATGCCACACATTA AACAGCAGATCCCACCCTTGTGGTAGCTGCAGAGACA GACAGAAACTTCTGGTtATGAGAGAGACTGTATTTTGTTGGAT TCTACCTTTAATCCCCGTTCTCTACGTTcCCCCTGTTA GCCACATCTTAACGTTGGTGCAGAGCTGGGACAAGAGCTGG CTCTGGTGCAGCCTCCCCCATCCCAGGGCTAGGAAACAA GCCTCTGATGAACAGAGGGACCAGGTCTGGACCCTCCTGCT CCCGCTTCCCTGGGCTCGAGTGGGGAGGCTCAGCGGGAT CCCCCGCAATCTGTGCAGGAGTTTTCACAGGTCTGTCCTTTC TTCCGGGAGCGGTCTGAAGCGGCCCCATCTGATCCTAG CTGAGCCGAGATTGTTCCCCCACTCCCTGAAAGTCCAGAGTCA CCGTGGAGCCTGCAAATTGCTCCTTCTGCGAAGGTGTG AAGTCACCGTCTCACCAGAGCCATTAACGAACCTGATCTTCA GAAGAAGCATAATTGTTTCCCCCTCCATTAAGTTGGTGG TGACCCTCTTTAAACCACTGTGCCTTCTCGCCTTTCCCATCAC TAATTTGGGCATCTCCATGGAGTGGACTCTTGTCGGG GCAGTTCAGGGGGGGGGGAGGAAGCATTAGAGATTGCGGAGAA TAACCATCGAAGCCTCCCTTGGATGTTCCCAGGCGTGCCT

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TAATGGTTACAAATAAAGCAATAGCATCACAAATTTCACAAAT
AAAGCATTTTTTTCACTGCATTCTAGTTGTGGTTTGT
CCAAACTCATCAATGTATCTTATCATGTCTGGATCCGACCTCG

SECUENCE OF REGION B OF AdRSVpHyde:

ATCTGGAAGGTGCTGAGGTACGATGAGACCCGCACCAGGTG CAGACCCTGCGAGTGTGGCGGTAAACATATTAGGAACCA GCCTGTGATGCTGGATGTGACCGAGGAGCTGAGGCCCGATC ACTTGGTGCTGGCCTGCACCCGCGCTGAGTTTGGCTCTA GCGATGAAGATACAGATTGAGGTACTGAAATGTGTGGGCGT GGCTTAAGGGTGGGAAAGAATATATAAGGTGGGGGTCTT ATGTAGTTTTGTATCTGTTTTGCAGCAGCCGCCGCCGCCATG AGCACCAACTCGTTTGATGGAAGCATTGTGAGCTCATA TTTGACAACGCGCATGCCCCCATGGGCCGGGGTGCGTCAGA ATGTGATGGCCTCCAGCATTGATGGTCGCCCCGTCCTGC CCGCAAACTCTACTACCTTGACCTACGAGACCGTGTCTGGAA CGCCGTTGGAGACTGCAGCCTCCGCCGCCGCTTCAGCC GCTGCAGCCACCGCCGCGGGATTGTGACTGACTTTGCTTTC CTGACCCGCTTGCAAGCAGTGCAGCTTCCCGTTCATC CGCCCGCGATGACAAGTTGACGGCTCTTTTGGCACAATTGG ATTCTTTGACCCGGGAACTTAATGTCGTTTCTCAGCAGC TGTTGGATCTGCGCCAGCAGGTTTCTGCCCTGAAGGCTTCCT CCCCTCCCAATGCGGTTTAAAACATAAAAAAAACA GACTCTGTTTGGATTTGGATCAAGCAAGTGTCTTGCTGTCTTT ATTTAGTGGGTTTTTGCGCGCGCGGTAGGCCCGGGACCA GCGGTCTCGGTCGTTGAGGGTCCTGTGTATTTTTTCCAGGAC GTGGTAAAGGTGACTCTGGATGTTCAGATACATGGGCA TAAGCCCGTCTCTGGGGTGGAGGTAGCACCACTGCAGAGCT TCATGCTGCGGGGTGGTGTTGTAGATGATCCAGTCGTAG CAGGAGCGCTGGGCGTGCCTAAAAATGTCTTTCAGTAG CAAGCTTATTGCCAGGGGCAGGCCCTTGGTGTAAGTGTT TACAAAGCGGTTAAGCTGGGATGGGGGCATACGTGGGGATA TGAGATGCATCTTGGACTGTATTTTTAGGTTGGCTATGT TCCCAGCCATATCCCTCCGGGGATTCATGTTGTGCAGAACCA CCAGCACAGTGTATCCGGTGCACTTGGGAAATTTGTCA TGTAGCTTAGAAGGAAATGCGTGGAAGAACTTGGAGACGCC CTTGTGACCTCCAAGATTTTCCATGCATTCGTCCATAAT GATGGCAATGGGCCCACGGGCGGCGGCCTGGGCGAAGATA TTTCTGGGATCACTAACGGCATAGTTGTGTTCCAGGATGA

GATCGTCATAGGCCATTTTTACAAAGCGCGGGGGGGAGGGTG CCAGACTGCGGTATAATGGTTCCATCCGGCCCAGGGGCG TAGTTACCCTCACAGATTTGCATTTCCCACGCTTTGAGTTCAG ATGGGGGGATCATGTCTACCTGCGGGGCGATGAAGAA AACGGTTTCCGGGGTAGGGGAGATCAGCTGGGAAGAAGC AGGTTCCTGAGCAGCTGCGACTTACCGCAGCCGGTGGGCC GCTAAATCACACCTATTACCGGGTGCAACTGGTAGTTAAGAG AGCTGCAGCTGCCGTCATCCCTGAGCAGGGGGGCCACT TCGTTAAGCATGTCCCTGACTCGCATGTTTTCCCTGACCAAAT CCGCCAGAAGGCGCTCGCCGCCCAGCGATAGCAGTTC TTGCAAGGAAGCAAAGTTTTTCAACGGTTTGAGACCGTCCGC CGTAGGCATGCTTTTGAGCGTTTGACCAAGCAGTTCCA GGCGGTCCCACAGCTCGGTCACCTGCTCTACGGCATCTCGA TCCAGCATATCTCCTCGTTTCGCGGGTTGGGGCGGCTTT CGCTGTACGGCAGTAGTCGGTGCTCGTCCAGACGGGCCAGG GTCATGTCTTTCCACGGGCGCAGGGTCCTCGTCAGCGTA GTCTGGGTCACGGTGAAGGGGTGCGCTCCGGGCTGCGCGC TGGCCAGGGTGCGCTTGAGGCTGGTCCTGCTGAA GCGCTGCCGGTCTTCGCCCTGCGCGTCGGCCAGGTAGCATT TGACCATGGTGTCATAGTCCAGCCCCTCCGCGGCGTGGC CCTTGGCGCGCAGCTTGCCCTTGGAGGAGGCGCCGCACGA GGGGCAGTGCAGACTTTTGAGGGCGTAGAGCTTGGGCGCG AGAAATACCGATTCCGGGGGAGTAGGCATCCGCGCCGACGGC CCCGCAGACGGTCTCGCATTCCACGAGCCAGGTGAGCTC TGGCCGTTCGGGGTCAAAACCAGGTTTCCCCCCATGCTTTTT GATGCGTTTCTTACCTCTGGTTTCCATGAGCCGGTGTC CACGCTCGGTGACGAAAAGGCTGTCCGTGTCCCCGTATACA GACTTGAGAGGCCTGTCCTAGAGCGGTGTTCCGCGGTCC TCCTCGTATAGAAACTCGGACCACTCTGAGACAAAGGCTCGC GTCCAGGCCAGCACGAAGGAGGCTAAGTGGGAGGGGTA GCGGTCGTTGTCCACTAGGGGGTCCACTCGCTCCAGGGTGT GAAGACACATGTCGCCCTCTTCGGCATCAAGGAAGGTGA TTGGTTTGTAGGTGTAGGCCACGTGACCGGGTGTTCCTGAA GGGGGGCTATAAAAGGGGGGTGGGGGCGCGTTCGTCCTAC CTCTCTTCCGCATCGCTGTCTGCGAGGGCCAGCTGTTGGGG TGAGTACTCCCTCTGAAAAGCGGGCATGACTTCTGCGCT AAGATTGTCAGTTTCCAAAAACGAGGAGGATTTGATATTCAC CTGGCCCGCGTTGATGCCTTTGAGGGTGGCCGCATCCA TCTGGTCAGAAAGACAATCTTTTTGTTGTCAAGCTTGGTGG CAAACGACCCGTAGAGGGCGTTGGACAGCAACTTGGCG ATGGAGCGCAGGGTTTTGGTTTTTTGTCGCGATCGGCGCGCTC CTTGGCCGCGATGTTTAGCTGCACGTATTCGCGCGCAAC GCACCGCCATTCGGGAAAGACGGTGGTGCGCTCGTCGGGC ACCAGGTGCACGCGCCAACCGCGGTTGTGCAGGGTGACAA GGTCAACGCTGGTGGCTACCTCTCGCGCTAGGCGCTCGTTG GTCCAGCAGAGGCGGCCGCCCTTGCGCGAGCAGAATGGC

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TGGCCTGCTGCGTGAGGGTAGACTGGAAGTCATCC

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ATATTACAAAGGAGGGTATTCAAATAGGTGTCGAAGGT CAAACACCTAAATATGCCGATAAAACATTTCAACCTGAACCT CAAATAGGAGAATCTCAGTGGTACGAAACTGAAATTAA TCATGCAGCTGGGAGAGTCCTTAAAAAGACTACCCCAATGAA ACCATGTTACGGTTCATATGCAAAACCCACAAATGAAA ATGGAGGCAAGGCATTCTTGTAAAGCAACAAAATGGAAAG CTAGCCCGTCAAGTGGAAATGCAATTTTTCTCAACTACT GAGGCGACCGCAGGCAATGGTGATAACTTGACTCCTAAAGT GGTATTGTACAGTGAAGATGTAGATATAGAAACCCCAGA CACTCATATTCTTACATGCCCACTATTAAGGAAGGTAACTCA CGAGAACTAATGGGCCAACAATCTATGCCCAACAGGC CTAATTACATTGCTTTTAGGGACAATTTTATTGGTCTAATGTA TTACAACAGCACGGGTAATATGGGTGTTCTGGCGGGC CAAGCATCGCAGTTGAATGCTGTTGTAGATTTGCAAGACAGA AACACAGAGCTTTCATACCAGCTTTTGCTTGATTCCAT TGGTGATAGAACCAGGTACTTTTCTATGTGGAATCAGGCTGT TGACAGCTATGATCCAGATGTTAGAATTATTGAAAATC ATGGAACTGAAGATGAACTTCCAAATTACTGCTTTCCACTGG GAGGTGTATTAATACAGAGACTCTTACCAAGGTAAAA CCTAAAACAGGTCAGGAAAATGGATGGGAAAAAGATGCTAC AGAATTTTCAGATAAAAATGAAATAAGAGTTGGAAATAA TTTTGCCATGGAAATCAATCTAAATGCCAACCTGTGGAGAAA TTTCCTGTACTCCAACATACGCGTGTATTTGCCCGACA AGCTAAAGTACAGTCCTTCCAACGTAAAAATTTCTGATAACC CAAACACCTACGACTACATGAACAAGCGAGTGGTGGCT CCCGGGTTAGTGGACTGCTACATTAACCTTGGAGCACGCTG GTCCCTTGACTATATGGACAACGTCAACCCATTTAACCA CCACCGCAATGCTGGCCTGCGCTACCGCTCAATGTTGCTGG GCAATGGTCGCTATGTGCCCTTCCACATCCAGGTGCCTC AGAAGTTCTTTGCCATTAAAAACCTCCTTCTCCTGCCGGGCT CATACACCTACGAGTGGAACTTCAGGAAGGATGTTAAC ATGGTTCTGCAGAGCTCCCTAGGAAATGACCTAAGGGTTGA CGGAGCCAGCATTAAGTTTGATAGCATTTGCCTTTACGC CACCTTCTTCCCCATGGCCCACACACCCGCCTCCACGCTTGA GGCCATGCTTAGAAACGACACCAACGACCAGTCCTTTA ACGACTATCTCCCCCCCCCCAACATGCTCTACCCCTATACCCG CCAACGCTACCAACGTGCCCATATCCATCCCCTCCCGC AACTGGGCGGCTTTCCGCGGCCTGGGCCTTCACGCGCCTTAA GACTAAGGAAACCCCATCACTGGGCTCGGGCTACGACCC TTATTACACCTACTCTGGCTCTATACCCTACCTAGATGGAACC TTTTACCTCAACCACACCTTTAAGAAGGTGGCCATTA CCTTTGACTCTTCTGTCAGCTGGCCTGGCAATGACCGCCTGC TTACCCCCAACGAGTTTGAAATTAAGCGCTCAGTTGAC GGGGAGGTTACAACGTTGCCCAGTGTAACATGACCAAAGA CTGGTTCCTGGTACAAATGCTAGCTAACTACAACATTGG CTACCAGGGCTTCTATATCCCAGAGAGCTACAAGGACCGCAT

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CACAGTCATGAGTGAGCTGATCGTGCGCCGTGCGCAGC CCCTGGAGAGGGATGCAAATTTGCAAGAACAAACAGAGGAG GGCCTACCCGCAGTTGGCGACGAGCAGCTAGCGCGCTGG CTTCAAACGCGCGAGCCTGCCGACTTGGAGGAGCGACGACGCAA ACTAATGATGGCCGCAGTGCTCGTTACCGTGGAGCTTGA GTGCTGCAGCGGTTCTTTGCTGACCCGGAGATGCAGCGCA AGCTAGAGGAAACATTGCACTACACCTTTCGACAGGGCT ACGTACGCCAGGCCTGCAAGATCTCCAACGTGGAGCTCTGC AACCTGGTCTCCTACCTTGGAATTTTGCACGAAAACCGC CTTGGGCAAAACGTGCTTCATTCCACGCTCAAGGGCGAGGC GCGCCGCGACTACGTCCGCGACTGCGTTTACTTATTTCT ATGCTACACCTGGCAGACGGCCATGGGCGTTTGGCAGT GCTTGGAGGAGTGCAACCTTCAAGGAGCTGCAGAAACTGC TAAAGCAAAACTTGAAGGACCTATGGACGGCCTTCAACGAG CGCTCCGTGGCCGCACCTGGCGGACATCATTTTCCCC GAACGCCTGCTTAAAACCCTGCAACAGGGTCTGCCAGACTTC ACCAGTCAAAGCATGTTGCAGAACTTTAGGAACTTTAT CCTAGAGCGCTCAGGAATCTTGCCCGCCACCTGCTGTGCACT TCCTAGCGACTTTGTGCCCATTAAGTACCGCGAATGCC CTCCGCCGCTTTGGGGCCACTGCTACCTTCTGCAGCTAGCCA ACTACCTTGCCTACCACTCTGACATAATGGAAGACGTG AGCGGTGACGGTCTACTGGAGTGTCACTGTCGCTGCAACCT ATGVAVVVGVAVVGVTVVVTGGTTTGVAATTVGVAGVT GCTTAACGAAAGTCAAATTATCGGTACCTTTGAGCTGCAGGG TCCCTCGCCTGACGAAAAGTCCGCGGCTCCGGGGTTCA AACTCACTCCGGGGCTGTGGACGTCGGCTTACCTTCGCAAAT TTGTACCTGAGGACTACCACGCCCACGAGATTAGGTTC TACGAAGACCAATCCCGCCCGCCAAATGCGGAGCTTACCGC CTGCGTCATTACCCAGGGCCACATTCTTGGCCAATTGCA AGCCATCAACAAAGCCCGCCAAGAGTTTCTGCTACGAAAGG GACGGGGGTTTACTTGGACCCCCAGTCCGGCGAGGAGC TCAACCCAATCCCCCGCCGCCGCAGCCCTATCAGCAGCAG CCGCGGGCCCTTGCTTCCCAGGATGGCACCCAAAAAGAA GCTGCAGCTGCCGCCGCCACCCACGGACGAGGAGGAATACT GGGACAGTCAGGCAGAGGAGGAGGTTTTGGACGAGGAGGAGG AGGACATGATGGAAGACTGGGAGGAGCCTAGACGAGGAAGC TTCCGAGGTCGAAGAGGTGTCAGACGAAACACCGTCACCC TCGGTCGCATTCCCCTCGCCGGCGCCCCAGAAATCGGCAAC CGGTTCCAGCATGGCTACAACCTCCGCTCCTCAGGCGCC GCCGGCACTGCCCGTTCGCCGACCCAACCGTAGATGGGACA CCACTGGAACCAGGGCCGGTAAGTCCAAGCAGCCGCCGC CGTTAGCCCAAGAGCAACAACAGCGCCAAGCTACCGCTCA TGGCGCGGGCACAAGAACGCCATAGTTGCTTGCCAA GACTGTGGGGGCAACATCTCCTTCGCCCGCCGCTTTCTTCTC TACCATCACGGCGTGGCCTTCCCCCGTAACATCCTGCA TTACTACCGTCATCTCTACAGCCCATACTGCACCGGCGGCAG

CGGCAGCGGCAACAGCAGCGGCCACACAGAAGCAA AGGCGACCGGATAGCAAGACTCTGACAAAGCCCAAGAAATC CACAGCGGCGGCAGCAGCAGGAGGAGGAGCGCTGCGTCT GGCGCCCAACGAACCCGTATCGACCCGCGAGCTTAGAAACA GGATTTTTCCCACTCTGTATGCTATATTTCAACAGAGCA GGGGCCAAGAACAAGAGCTGAAAATAAAAAACAGGTCTCTG CGATCCCTCACCCGCAGCTGCCTGTATCACAAAAGCGAA GATCAGCTTCGGCGCACGCTGGAAGACGCGGAGGCTCTCTT CAGTAAATACTGCGCGCTGACTCTTAAGGACTAGTTTCG CGCCCTTTCTCAAATTTAAGCGCGAAAACTACGTCATCTCCA GCGGCCACACCCGGCGCCCAGCACCTGTCGTCAGCGCCA TTATGAGCAAGGAAATTCCCACGCCCTACATGTGGAGTTACC AGCCACAAATGGGACTTGCGGCTGGAGCTGCCCAAGAC TACTCAACCCGAATAAACTACATGAGCGCGGGACCCCACAT GATATCCCGGGTCAACGGAATCCGCGCCCCACCGAAACCG **AATTCTCTTGGAACAGGCGGCTATTACCACCACACCTCGTAA** TAACCTTAATCCCCGTAGTTGGCCCGCTGCCCTGGTGT ACCAGGAAAGTCCCGCTCCCACCACTGTGGTACTTCCCAGA GACGCCCAGGCCGAAGTTCAGATGACTAACTCAGGGGCG CAGCTTGCGGGCGGCTTTCGTCACAGGGTGCGGTCGCCCGG GCAGGGTATAACTCACCTGACAATCAGAGGGCGAGGTAT TCAGCTCAACGACGAGTCGGTGAGCTCCTCGCTTGGTCTCC GTCCGGACGGACATTTCAGATCGGCGGCGCCGGCCGTC GTTCATTCACGCCTCGTCAGGCAATCCTAACTCTGCAGACCT CGTCCTCTGAGCCGCGCTCTGGAGGCATTGGAACTCTG CATTTATTGAGGAGTTTGTGCATCGGTCTACTTTAACCCCT TCTCGGGACCTCCCGGCCACTATCCGGATCAATTTAT TCCTAACTTTGACGCGGTAAAGGACTCGGCGGACGGCTACG ACTGAATGTTAAGTGGAGAGCAGAGCAACTGCGCCTGA AACACCTGGTCCACTGTCGCCGCCACAAGTGCTTTGCCCGC GACTCCGGTGAGTTTTGCTACTTTGAATTGCCCGAGGAT CATATCGAGGGCCCGGCGCACGGCGTCCGGCTTACCGCCCA GGGAGAGCTTGCCCGTAGCCTGATTCGGGAGTTTACCCA GCGCCCCTGCTAGTTGAGCGGGACAGGGGACCCTGTGTTC TCACTGTGATTTGCAACTGTCCTAACCTTGGATTACATC **AAATTAAAATATACTGGGGCTCCTATCGCCATCCTGT** AAACGCCACCGTCTTCACCCGCCCAAGCAAACCAAGGCGAA CCTTACCTGGTACTTTTAACATCTCTCCCTCTGTGATTT ACAACAGTTTCAACCCAGACGGAGTGAGTCTACGAGAGAAC CTCTCCGAGCTCAGCTACTCCATCAGAAAAAAACACCACC CTCTCCGAGCTCAGCTACTCCATCAGAAAAAAAACACCACC. CTCCTTACCTGCCGGGAACGTACGAGTGCGTCACCGGCCGC TGCACCACACCTACCGCCTGACCGTAAACCAGACTTTTT CCGGACAGACCTCAATAACTCTGTTTACCAGAACAGGAGGT GAGCTTAGAAAACCCTTAGGGTATTAGGCCAAAGGCGCA

GCTACTGTGGGGTTTATGAACAATTCAAGCAACTCTACGGGC
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ACTTTTCCATTTTATGAAATGTGCTACATTACCATGTACATGA GCAAACAGTATAAGTTGTGGCCCCCACAAAATTGTGT GGAAAACACTGGCACTTTCTGCTGCACTGCTATGCTAATTAC AGTGCTCGCTTTGGTCTGTACCCTACTCTATATTAAAT ACAAAAGCAGGACGCAGCTTTATTGAGGAAAAGAAAATGCCTT AATTTACTAAGTTACAAAGCTAATGTCACCACTAACTG CTTTACTCGCTGCTTGCAAAACAAATTCAAAAAGTTAGCATTA TAATTAGAATA GGATTTAAACCCCCCGGTCATTTCCT GCTCAATACCATTCCCCTGAACAATTGACTCTATGTGGGATA TGCTCCAGCGCTACAACCTTGAAGTCAGGCTTCCTGGA TGTCAGCATCTGACTTTGGCCAGCACCTGTCCCGCGGATTTG TTCCAGTCCAACTACAGCGACCCACCCTAACAGAGATG ACCAACACAACCAACGCGGCCGCCGCTACCGGACTTACATC TACCACAAATACACCCCAAGTTTCTGCCCTTTGTCAATAA CTGGGATAACTTGGGCATGTGGTGGTTCTCCATAGCGCTTAT GTTTGTATGCCTTATTATTATGTGGCTCATCTGCTGCC TAAAGCGCAAACGCGCCCGACCACCCATCTATCGTCCCATCA TTGTGCTACACCCAAACAATGATGGAATCCATAGATTG GACGGACTGAAACACATGTTCTTTTCTCTTACAGTATGATTAA ATGAGACATGATTCCTCGAGTTTTTATATTACTGACC CTTGTTGCGCTTTTTTGTGCGTGCTCCACATTGGCTGCGGTTT CTCACATCGAAGTAGACTGCATTCCAGCCTTCACAGT CTATTTGCTTTACGGATTTGTCACCCTCACGCTCATCTGCAGC CTCATCACTGTGGTCATCGCCTTTATCCAGTGCATTG ACTGGGTCTGTGCGCTTTGCATATCTCAGACACCATCCCC AGTACAGGGACAGGACTATAGCTGAGCTTCTTAGCCCT GGACGGAATTATTACAGAGCAGCGCCTGCTAGAAAGACGCA GGGCAGCGGCCGAGCAACAGCGCATGAATCAAGAGCTCC

TCAGAAATTGGTGGTCATGGTGGG CATAACTCAGCACTCGGTAGAAACCGAAGGCTGCATTCACTC ACCTTGTCAAGGACCTGAGGATCTCTGCACCCTTATTA

AGACCCTGTGCGGTCTCAAAGATCTTATTCCCTTTAACTAATA AAAAAAAATAATAAAGCATCACTTACTTAAAAATCAGT TAGCAAATTTCTGTCCAGTTTATTCAGCAGCACCTCCTTGCCC TCCTCCCAGCTCTGGTATTGCAGCTTCCTCCTGGCTG CAAACTTTCTCCACAATCTAAATGGAATGTCAGTTTCCTCCTG TTCCTGTCCATCCGCACCCACTATCTTCATGTTGTTG CAGATGAAGCGCGCAAGACCGTCTGAAGATACCTTCAACCC CGTGTATCCATATGACACGGAAACCGGTCCTCCAACTGT GCCTTTTCTTACTCCTCCCTTTGTATCCCCCAATGGGTTTCAA GAGAGTCCCCCTGGGGTACTCTCTTTGCGCCTATCCG AACCTCTAGTTACCTCCAATGGCATGCTTGCGCTCAAAATGG GCAACGGCCTCTCTCTGGACGAGGCCGGCAACCTTACC TCCCAAAATGTAACCACTGTGAGCCCCCACCTGTGAAAAAAACC AAGTCAAACATAAACCTGGAAATATCTGCACCCCTCAC AGTTACCTCAGAAGCCCTAACTGTGGCTGCCGCCGCACCTCT AATGGTCGCGGGCAACACACTCACCATGCAATCACAGG CCCCGCTAACCGTGCACGACTCCAAACTTAGCATTGCCACCC AAGGACCCCTCACAGTGTCAGAAGGAAAGCTAGCCCTG CAAACATCAGGCCCCCTCACCACCACCGATAGCAGTACCCTT ACTATCACTGCCTCACCCCCTCTAACTACTGCCACTGG TAGCTTGGGCATTGACTTGAAAGAGCCCATTTATACACAAAA TGGAAAACTAGGACTAAAGTACGGGGCTCCTTTGCATG TAACAGACGACCTAAACACTTTGACCGTAGCAACTGGTCCAG GTGTGACTATTAATAATACTTCCTTGCAAACTAAAGTT ACTGGAGCCTTGGGTTTTGATTCACAAGGCAATATGCAACTT AATGTAGCAGGAGGACTAAGGATTGATTCTCAAAACAG ACGCCTTATACTTGATGTTAGTTATCCGTTTGATGCTCAAAAC CAACTAAATCTAAGACTAGGACAGGGCCCTCTTTTTA TAAACTCAGCCCACAACTTGGATATTAACTACAACAAAGGCC TTTACTTGTTTACAGCTTCAAACAATTCCAAAAAGCTT GAGGTTAACCTAAGCACTGCCAAGGGGTTGATGTTTGACGC TACAGCCATAGCCATTAATGCAGGAGATGGGCTTGAATT TGGTTCACCTAATGCACCAAACACAAATCCCCTCAAAACAAA AATTGGCCATGGCCTAGAATTTGATTCAAACAAGGCTA TGGTTCCTAAACTAGGAACTGGCCTTAGTTTTGACAGCACAG GTGCCATTACAGTAGGAAACAAAAATAATGATAAGCTA ACTTTGTGGACCACCACCAGCTCCATCTCCTAACTGTAGACTA AATGCAGAGAAAGATGCTAAACTCACTTTGGTCTTAAC AAAATGTGGCAGTCAAATACTTGCTACAGTTTTCAGTTTTTGGC TGTTAAAGGCAGTTTGGCTCCAATATCTGGAACAGTTC AAAGTGCTCATCTTATTATAAGATTTGACGAAAATGGAGTGC TACTAAACAATTCCTTCCTGGACCCAGAATCTTGGAAC TTTAGAAATGGAGATCTTACTGAAGGCACAGCCTATACAAAC GCTGTTGGATTTATGCCTAACCTATCAGCTTATCCAAA ATCTCACGGTAAAACTGCCAAAAGTAACATTGTCAGTCAAGT TTACTTAAACGGAGACAAAACTAAACCTGTAACACTAA

CCATTACACTAAACGGTACACAGGAAACAGGAGACACAACT CCAAGTGCATACTCTATGTCATTTTCATGGGACTGGTCT GGCCACACTACATTAATGAAATATTTGCCACATCCTCTTACA CTTTTTCATACATTGCCCAAGAATAAAGAATCGTTTG TGTTATGTTTCAACGTGTTTATTTTCAATTGCAGAAAATTTCA AGTCATTTTCATTCAGTAGTATAGCCCCCACCA CATAGCTTATACAGATCACCGTACCTTAATCAAACTCACAGA ACCCTAGTATTCAACCTGCCACCTCCCTCCCAACACAC AGAGTACACAGTCCTTTCTCCCCGGCTGGCCTTAAAAAGCAT CATATCATGGGTAACAGACATATTCTTAGGTGTTATAT TCCACACGGTTTCCTGTCGAGCCAAACGCTCATCAGTGATAT TAATAAACTCCCCGGGCAGCTCACTTAAGTTCATGTCG CTGTCCAGCTGCTGAGCCACAGGCTGCTGTCCAACTTGCGG TTGCTTAACGGGCGAAGGAGAAGTCCACTCCTACAT GGGGTAGAGTCATAATCGTGCATCAGGATAGGGCGGTGGT GCTGCAGCAGCGGCGAATAAACTGCTGCCGCCGCCGCT CCGTCCTGCAGGAATACAACATGGCAGTGGTCTCCTCAGCG ATGATTCGCACCGCCCGCAGCATAAGGCGCCTTGTCCTC CGGGCACAGCACCCTGATCTCACTTAAATCAGCACA GTAACTGCAGCACCACCACAATATTGTTCAAAATCCC ACAGTGCAAGGCGCTGTATCCAAAGCTCATGGCGGGGACCA CAGAACCCACGTGGCCATCATACCACAAGCGCAGGTAGA TTAAGTGGCGACCCCTCATAAACACGCTGGACATAAACATTA CCTCTTTTGGCATGTTGTAATTCACCACCTCCCGGTAC CATATAAACCTCTGATTAAACATGGCGCCATCCACCACCATC CTAAACCAGCTGGCCAAAACCTGCCCGCCGGCTATACA CTGCAGGGAACCGGGACTGGAACAATGACAGTGGAGAGCC CAGGACTCGTAACCATGGATCATCATGCTCGTCATGATAT CAATGTTGGCACAACACAGGCACACGTGCATACACTTCCTCA GGATTACAAGCTCCTCCCGCGTTAGAACCATATCCCACACTGCAG GGAACAACCCATTCCTGAATCAGCGTAAATCCCACACTGCAG TACTGTACGGAGTGCGCCGAGACAACCGAGATCGTGTTGGT CGTAGTCATGCCAAATGGAACGCCGGACGTAGTCATA AGTTGTAGTATATCCACTCTCTCAAAGCATCCAGGCGCCCCCC TGGCTTCGGGTTCTATGTAAACTCCTTCATGCGCCGCT GCCCTGATAACATCCACCACCGCAGAATAAGCCACACCCAG CCAACCTACACATTCGTTCTGCGAGTCACACACGGGAGG AGCGGGAAGAGCTGGAAGAACCATGTTTTTTTTTTTTTCCA AAAGATTATCCAAAACCTCAAAATGAAGATCTATTAAG TGAACGCGCTCCCCTCCGGTGGCGTGAACTCTACAGC FIG.10S

GGCTTCCAAAAGGCAAACGGCCCTCACGTCCAAGTGGACGT AAAGGCTAAACCCTTCAGGGTGAATCTCCTCTATAAACA TTCCAGCACCTTCAACCATGCCCAAATAATTCTCATCTCGCCA CCTTCTCAATATATCTCTAAGCAAATCCCGAATATTA AGTCCGGCCATTGTAAAAATCTGCTCCAGAGCGCCCTCCACC TTCAGCCTCAAGCAGCGAATCATGATTGCAAAAATTCA GGTTCCTCACAGACCTGTATAAGATTCAAAAGCGGAACATTA ACAAAAATACCGCGATCCCGTAGGTCCCTTCGCAGGGC CAGCTGAACATAATCGTGCAGGTCTGCACGGACCAGCGCGG CCACTTCCCCGCCAGGAACCTTGACAAAGAACCCACAC TGATTATGACACGCATACTCGGAGCTATGCTAACCAGCGTAG CCCCGATGTAAGCTTTGTTGCATGGGCGGCGATATAAA ATGCAAGGTGCTCCAAAAAATCAGGCAAAGCCTCGCGCA AAAAAGAAAGCACATCGTAGTCATGCTCATGCAGATAAA GGCAGGTAAGCTCCGGAACCACCACAGCCCCCGACACCATT TTTCTCTCAAACATGTCTGCGGGTTTCTGCATAAACACA AAATAAAATAACAAAAAAACATTTAAACATTAGAAGCCTGTCT TACAACAGGAAAAACAACCCTTATAAGCATAAGACGG ACTACGGCCATGCCGGCGTGACCGTAAAAAAACTGGTCACC GTGATTAAAAAGCACCACCGACAGCTCCTCGGTCATGTC CGGAGTCATAATGTAAGACTCGGTAAACACATCAGGTTGATT CATCGGTCAGTGCTAAAAAGCGACCGAAATAGCCCGGG GGAATACATACCCGCAGGCGTAGAGACAACATTACAGCCCC CATAGGAGGTATAACAAAATTAATAGGAGAGAAAAACAC ATAAACACCTGAAAAACCCTCCTGCCTAGGCAAAATAGCACC CTCCCGCTCCAGAACAACATACAGCGCTTCACAGCGGC AGCCTAACAGTCAGCCTTACCAGTAAAAAAAAAAAACCTATTA AAAAAACACCACTCGACACGGCACCAGCTCAATCAGTC ACAGTGTAAAAAAGGGCCAAGTGCAGAGCGAGTATATAG GACTAAAAATGACGTAACGGTTAAAGTCCACAAAAAAC ACCCAGAAAACCGCACGCGAACCTACGCCCAGAAACGAAAG CCAAAAACCCACAACTTCCTCAAATCGTCACTTCCGTT TTCCCACGTTACGTAACTTCCCATTTTAAGAAAACTACAATTC CCAACACATACAAGTTACTCCGCCCTAAAACCTACGT CACCCGCCCCGTTCCCACGCCCCGCGCCACGTCACAACTC CACCCCCTCATTATCATATTGGCTTCAATCCAAAATAAG